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FIG. 1
PRIOR ART

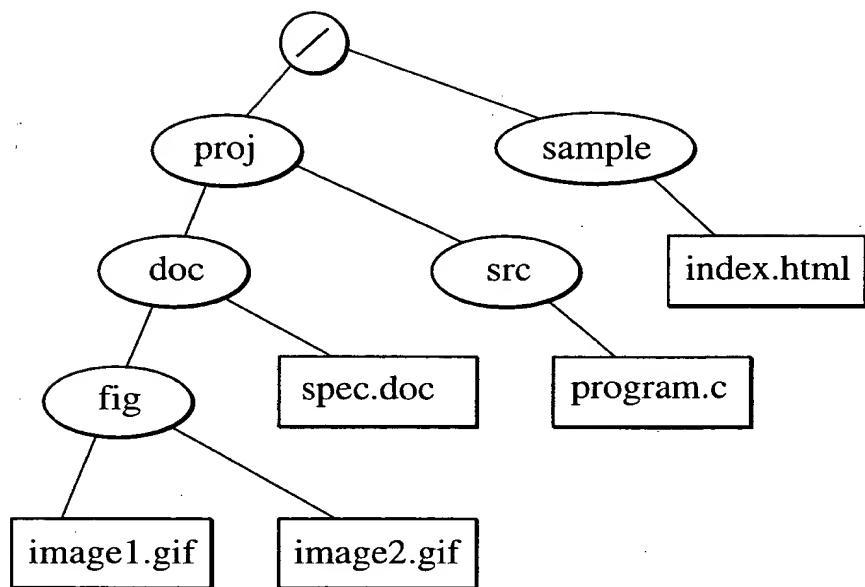
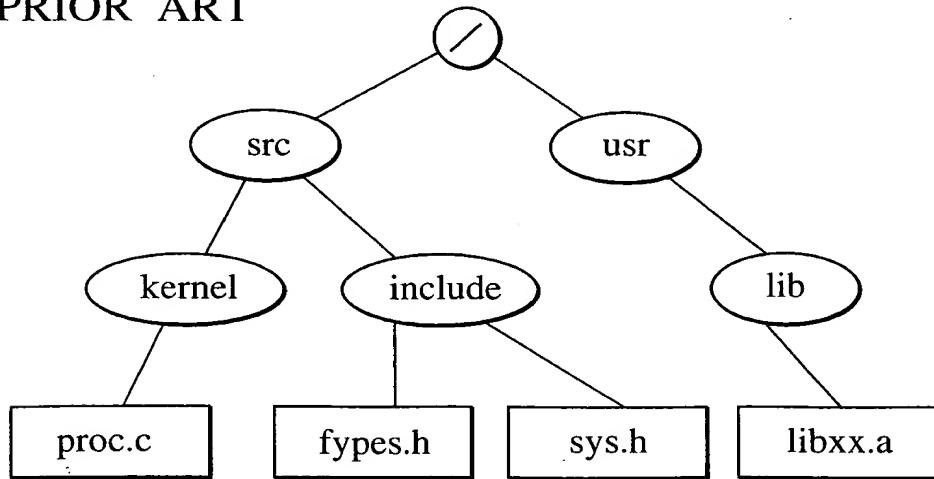
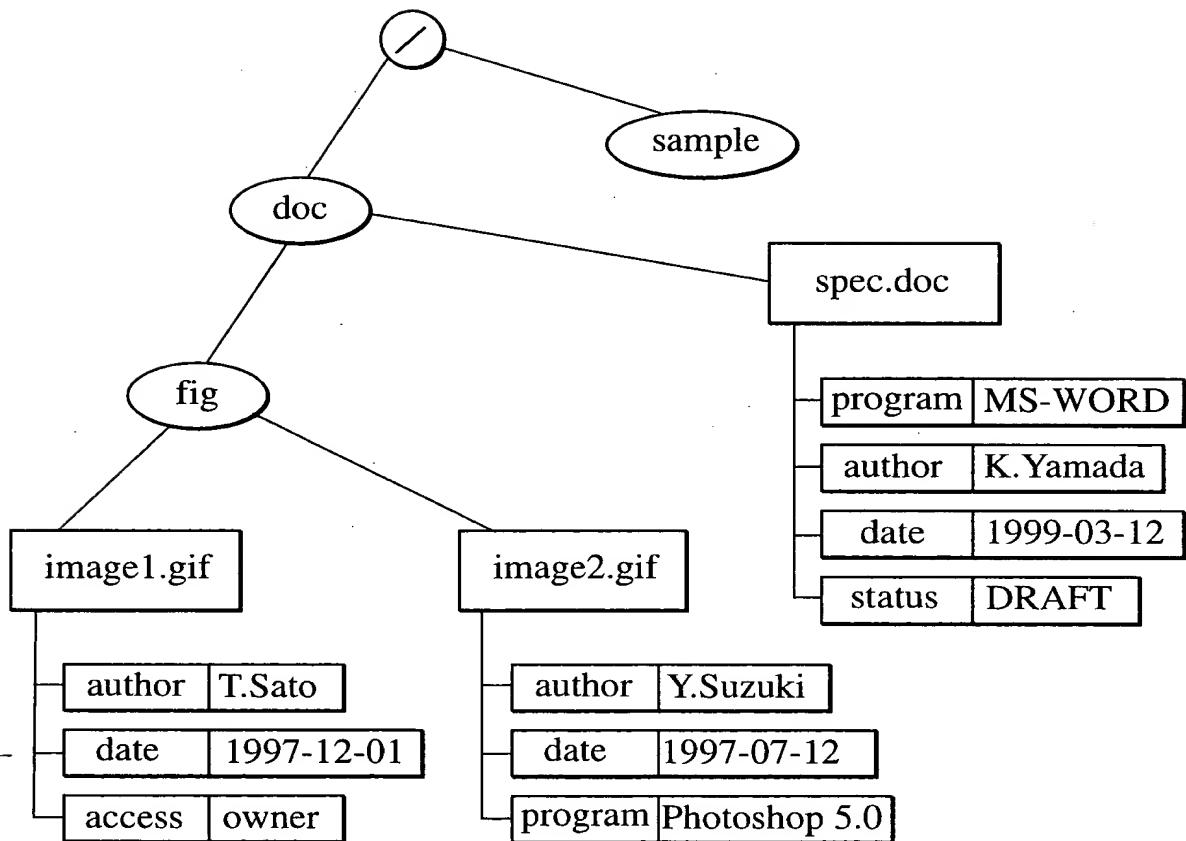


FIG. 2
PRIOR ART



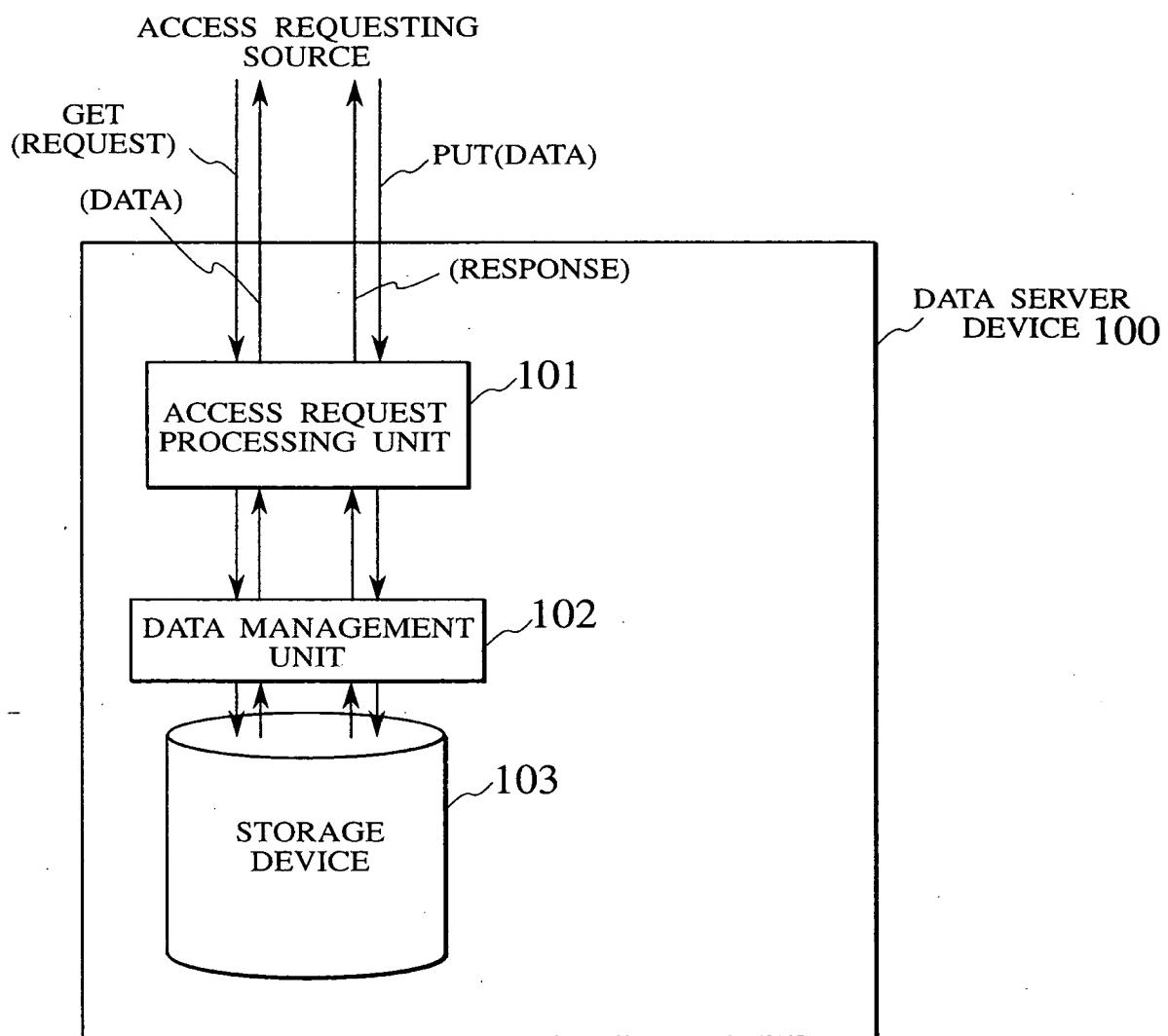
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FIG. 3
PRIOR ART



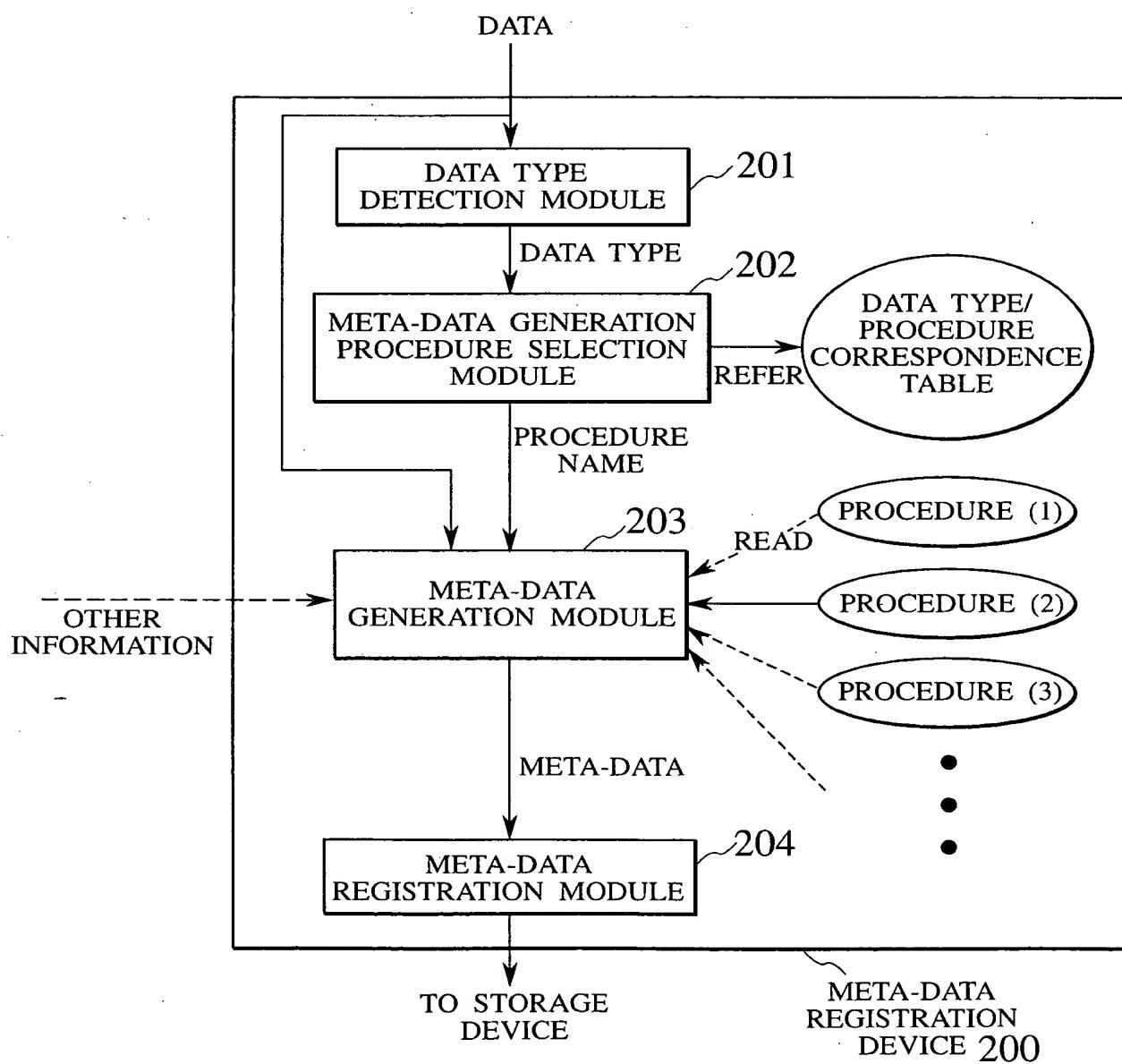
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FIG. 4



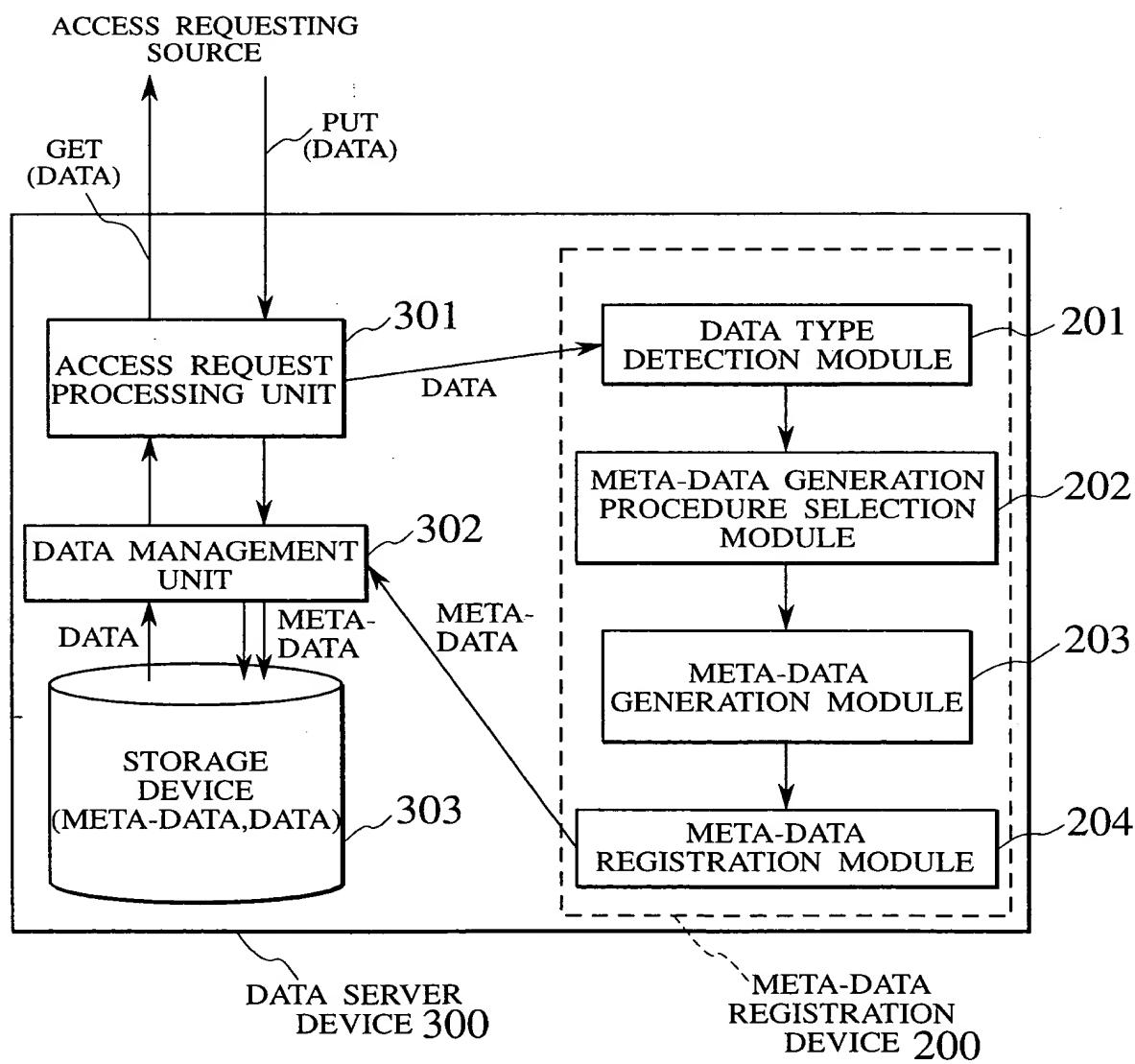
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FIG. 5



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FIG. 6



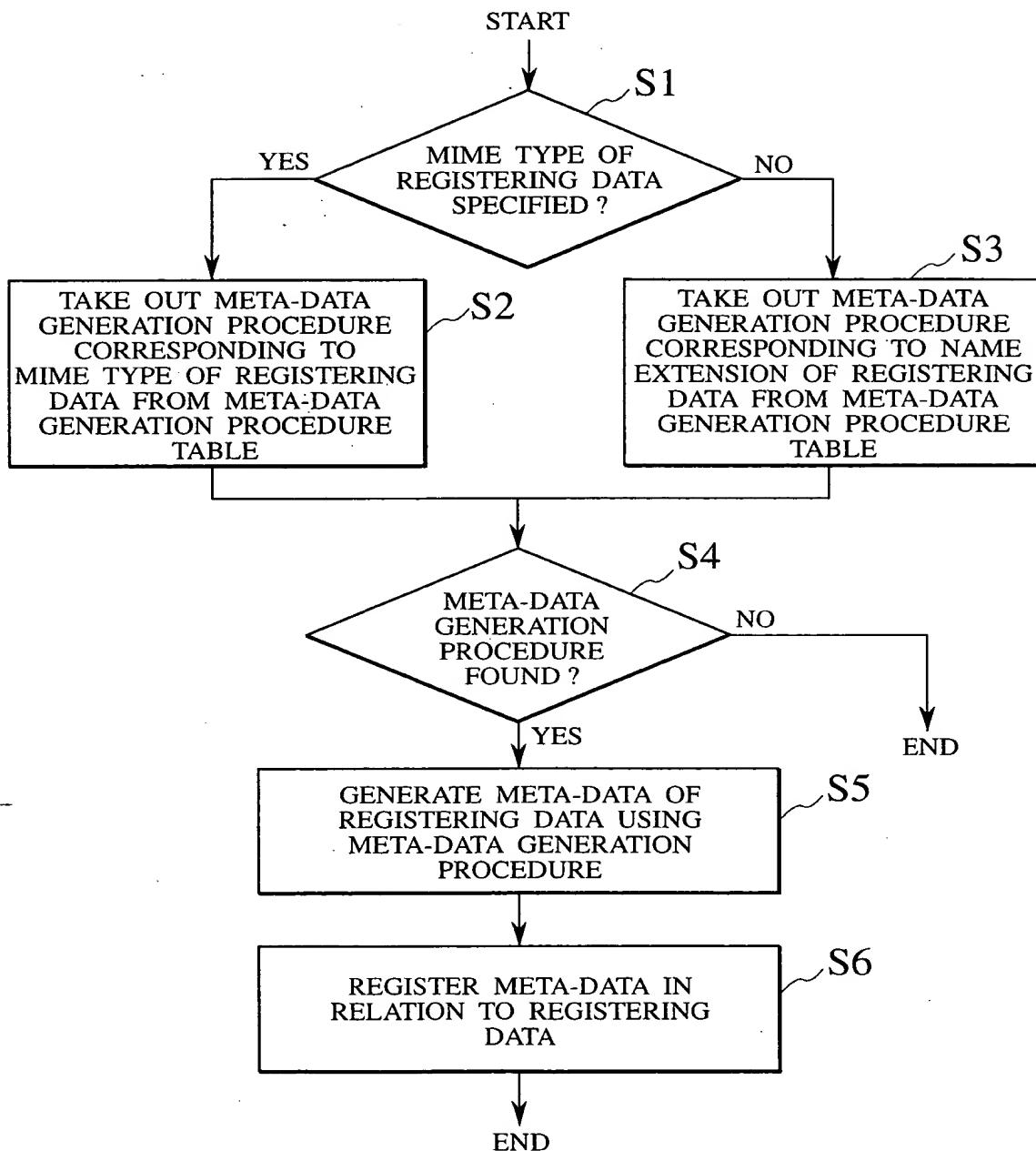
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FIG. 7

MIME TYPE	EXTENSION	META-DATA GENERATION PROCEDURE
application/msword	doc	metadoc
application/pdf	pdf	metapdf
image/jpeg	jpeg,jpg	metajpeg
image/tiff	tiff,tif	metatiff
video/x-msvideo	avi	metaavi
video/quicktime	qt,mov	metaqt
text/xml	xml	metaxml

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FIG. 8



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FIG. 9

date	1998-07-12
author	Y.Suzuki
program	photoshop 4.0

FIG. 10

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<book>
  <title>Practical File System Design with the Be File System</title>
  <author>Domanic Giampaolo</author>
  <publisher>Morgan Kaufmann Publishers, Inc.</publisher>
  <isbn>1558604979</isbn>
  <date>November 1998</date>
  <price unit="USD">34.95</price>
  <page>237</page>
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  <contents>
    <chapter num="1">Introduction to the BeOS and BFS</chapter>
    <chapter num="2">What Is a File System</chapter>
    <chapter num="3">Other File System</chapter>
    <chapter num="4">The Data Structures of BFS</chapter>
    <chapter num="5">Attributes, Indexing, and Queries</chapter>
    <chapter num="6">Allocation Policies</chapter>
    <chapter num="7">Journaling</chapter>
    <chapter num="8">The Disk Block Cache</chapter>
    <chapter num="9">File System Performance</chapter>
    <chapter num="10">The Vnode Layer</chapter>
    <chapter num="11">User-Level API</chapter>
    <chapter num="12">Testing</chapter>
    <chapter num="Appendix">A File System Construction Kit</chapter>
    <chapter>Bibliography</chapter>
    <chapter>Index</chapter>
  </contents>
  <keywords>BeOS, File System, Journaling, Index</keywords>
</book>
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FIG. 11

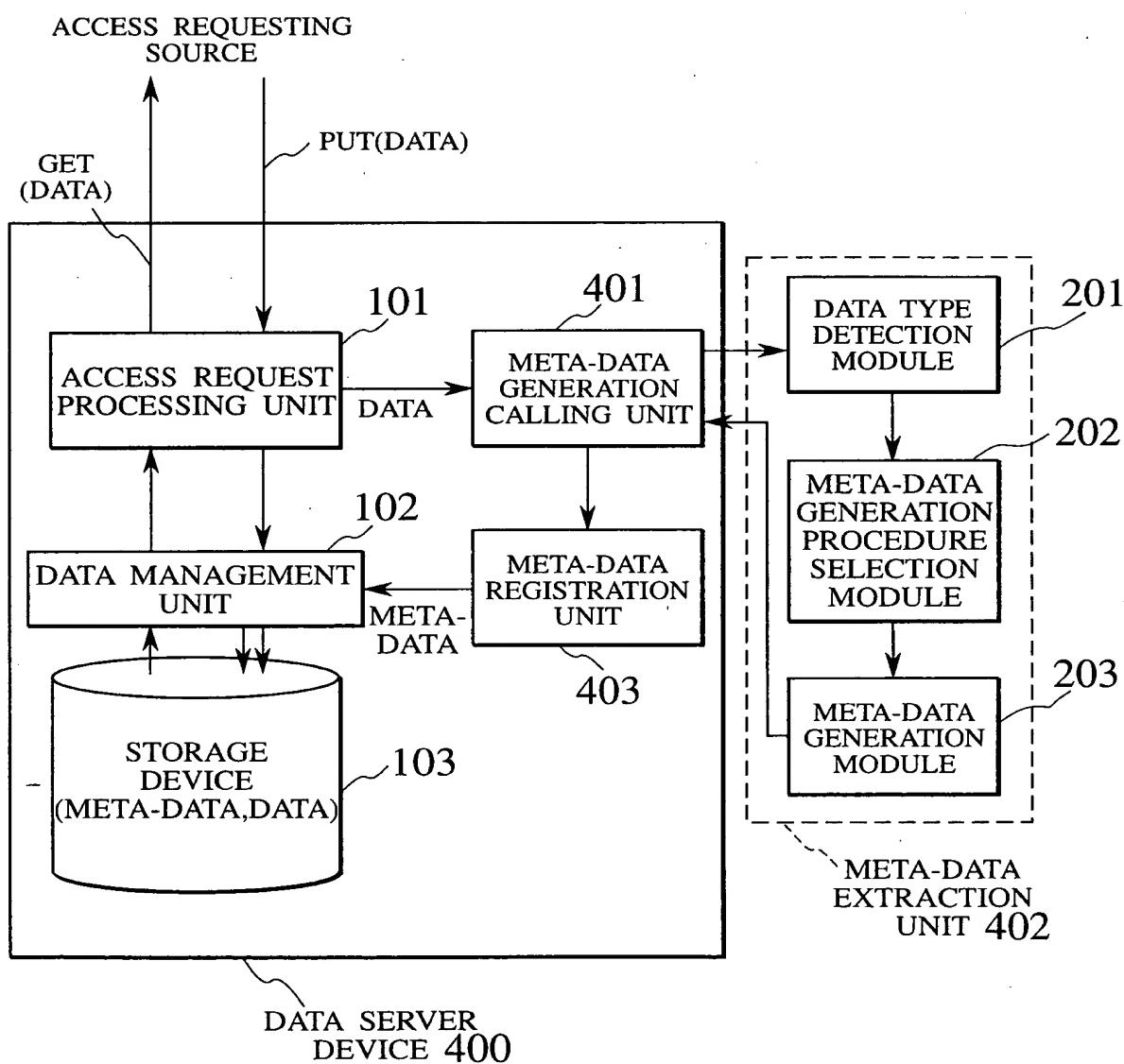
DTD NAME	ELEMENT NAME	META-DATA NAME
book.dtd	title	title
book.dtd	author	author
book.dtd	keywords	keyword
photo.dtd	title	title
photo.dtd	GPS info	location
photo.dtd	date	date
photo.dtd	creator	author
...

FIG. 12

title	Practical File System Design with the Be File System
author	Domanic Giampaolo
keyword	BeOS, File System, Journaling, Index

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FIG. 13



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FIG. 14

